

PREVENTATIVE MAINTENANCE PROCEDURE NM4 SERIAL INTERFACE ASSEMBLY

PREVENTATIVE MAINTENANCE PROCEDURE

NOTE: Use proper ESD control during all removal and installation procedures.

1. Set the System Power switch on the front panel to the STANDBY position and remove AC power from the machine.

CAUTION: Do not plug or unplug any serial interface cables with power applied.

2. Disconnect any cables connected to the serial interface ports on the back of the machine.
3. Loosen the four screws holding the serial interface assembly to the underside of the monitor housing, and separate the assembly from the monitor housing. See Figure 1.
4. On the serial interface circuit board, examine the date codes on each of the 20 opto-couplers (six-pin ICs U1 thru U20) as shown by the shaded components in Figure 2.

If any of the opto-couplers bear a date code of **9111, 9119, 9124, 9128** or **9132**, Replace the serial interface assembly with one having opto-couplers that do not bear any of these date codes.

5. If the serial interface assembly must be replaced, disconnect the ribbon cable from J6 on the circuit board, and disconnect the ground wire at terminal E1 on the circuit board. If the serial interface assembly does not need to be replaced, proceed to Step 7.
6. Connect the ground wire to terminal E1, and connect the ribbon cable to J6 on the replacement assembly.
7. Secure the assembly to the underside of the monitor housing with its four mounting screws.
8. Re-connect any external cables that were previously removed from the serial ports.
9. Restore power to the machine and verify its operation. Ensure that the appropriate configuration is set correctly.
10. Perform a complete PMS procedure on the machine.

PREVENTATIVE MAINTENANCE PROCEDURE (continued)

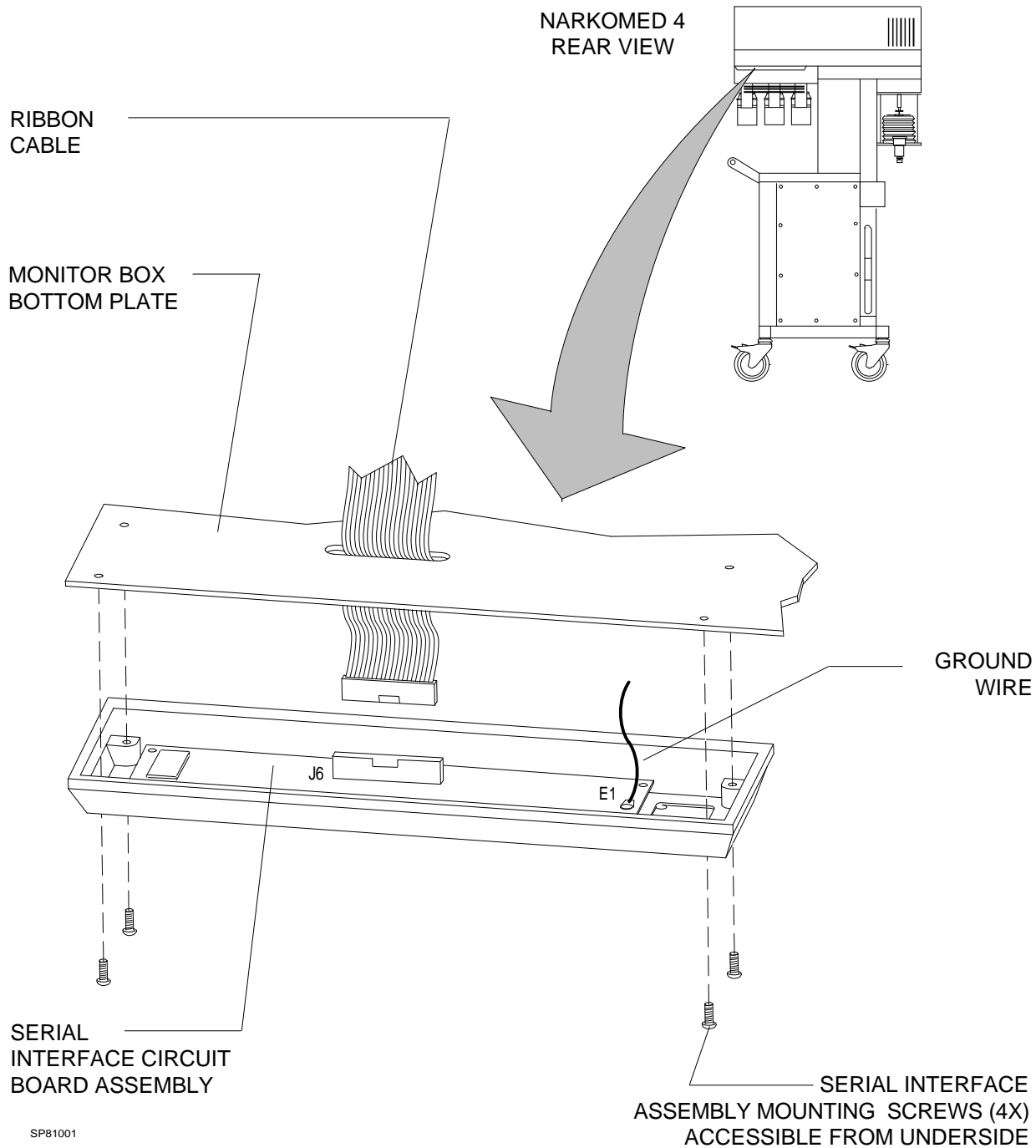


Figure 1: SERIAL INTERFACE ASSEMBLY MOUNTING AND CONNECTIONS

PREVENTATIVE MAINTENANCE PROCEDURE (continued)

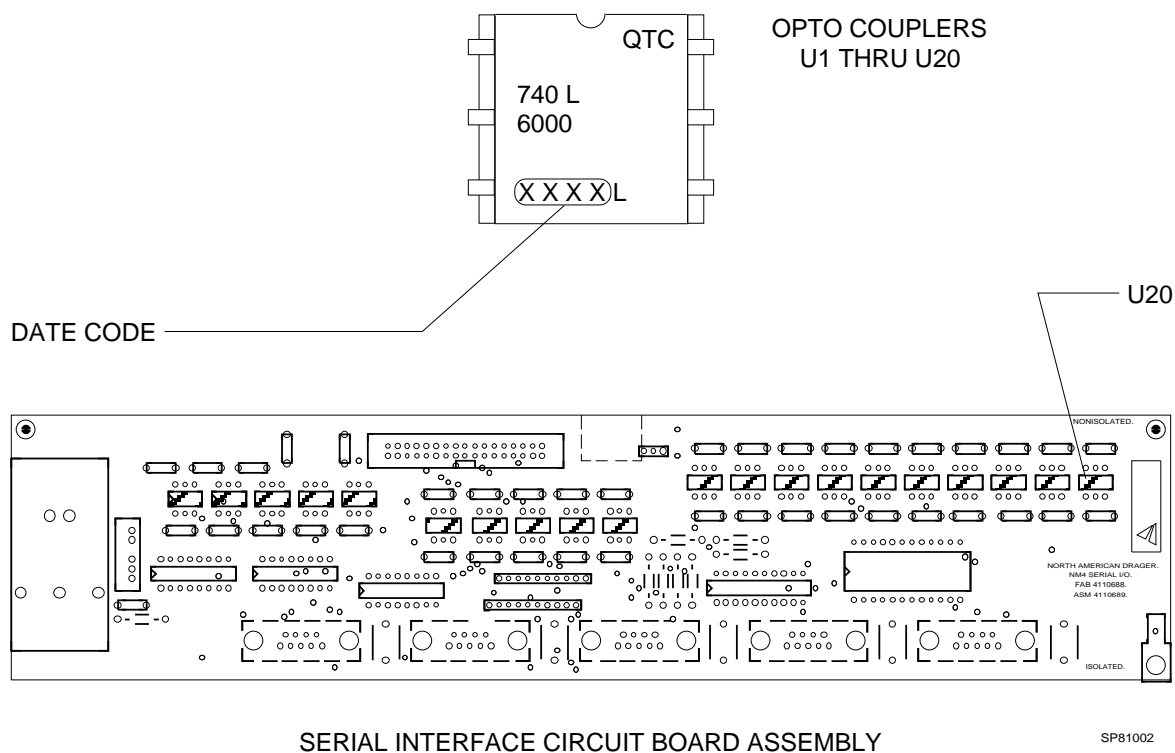


Figure 2: OPTO-COUPLER LOCATIONS AND DATE CODE MARKING



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